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EXAMINER: Wright, G. C.

TITLE: APPARATUS FOR THE COOLING OF DRILLING LIQUIDS

Amendment C: SPECIFICATION AMENDMENTS

On page 2, revise paragraph [0005] as follows:

Figure 1 FIG. 1 is a top view of the embodiment of an apparatus for cooling drilling liquids according to the present invention.

On page 2, revise paragraph [0006] as follows:

Figure 2 FIG. 2 is a side view of the embodiment of an apparatus for cooling drilling liquids according to the present invention shown in FIG. 1.

On page 2, revise paragraph [0007] as follows:

Figure 3 FIG. 3 is another side view of the embodiment of an apparatus for cooling drilling liquids according to the present invention shown in FIG. 1.

On page 2, revise paragraph [0008] as follows:

Figure 4 FIG. 4 shows a detailed view of an expansion tank used in the embodiment of the apparatus for cooling drilling liquids according to the present invention shown in FIG. 1.

On page 4, revise paragraph [00023] as follows:

As can be seen in FIG. 1, On on the seawater return pipe 10, a sensor 3 is connected by sample line 9. Sensor 3 which detects at once any possible oil leakages.

On page 4, revise paragraph [00024] as follows:

At the drilling oil side as well as at the glycol/water side, flowmeters 7 and 8 are connected by a closed circulation circuit 11.

On page 5, revise paragraph [0035] as follows:

The circulation pump 5 is used to pump the ethylene glycol mixture through the plate heat exchangers of mud and glycol cooler in a closed circuit system 11. One central expansion tank 6 of approx. 50 ltrs will be mounted on the highest level and will be delivered with a Murphy levelswitch/gauge. The expansion tank 6 is also provided a make-up line to the circulation pump 5. The circulation pump 5 is of the vertical in-line type with a capacity of 2000 L/min at 16 mwc total head and is driven by a directly mounted explosion proof electric motor with an output of 7.5 kW at 400 V/50 Hz and 440 V/60 Hz. The arrows on the closed circuit system 11 in FIG. 1 illustrate how the circulation pump pumps the glycol mixture through the closed circuit system 11.